Tails - Feature #8328

Check if tails-restricted-network-detector still works on Jessie

11/27/2014 09:59 PM - intrigeri

Status: Resolved
Priority: Normal
Assignee:
Category: Spoof MAC
Target version: Tails_2.0
Feature Branch:
Type of work: Test
Blueprint:

Start date: 11/27/2014
Due date:
% Done: 100%
Estimated time: 0.00 hour
Spent time: 0.00 hour
Starter:
Affected tool:

Description
It's grepping logs for specific strings, that might have changed in Jessie (and possibly even in Wheezy? not sure we've ever checked that.)

Related issues:
Related to Tails - Bug #10560: Reintroduce tails-restricted-network-detector

Rejected 11/17/2015

Associated revisions
Revision 16b3d9dc - 11/17/2015 02:42 PM - intrigeri

Remove the restricted network detector.

As explained on https://labs.riseup.net/code/issues/8328#note-5, it's been broken for 16 months, it is still broken after the partial fix that went in Tails 1.6, and the logic on which the detector is based cannot work anymore. Reintroducing and porting this feature is now tracked on #10560.

Closes: #8328
Refs: #10560

History
#1 - 08/11/2015 05:16 PM - romeopapa
- File 0001-Fix-tails-restricted-network-detector.patch added

Summary:
Basically, I believe it is broken in jessie and stable!! Included a patch.

I've inspected NetworkManager's code, at version 0.9.10.0 (the current one used in feature/jessie) and 0.9.4 (used on stable), I've found the following:

/Activation \
\([\{\}]+\)\) starting connection/:

Yes, the code that outputs this string is still there.
Warning: it seems to have changed at v1.0.4, which is currently on debian sid

/\([\{\}]+\)\): supplicant connection state::.*-> (.*)$/:

This has changed!

04/06/2020 1/4
I believe I have found the replacements:

```
src/devices/wifi/nm-device-wifi.c:2198:

nm_log_info (LOGD_DEVICE | LOGD_WIFI,
    "(%s): supplicant interface state: %s -> %s",
    nm_device_get_iface (device),
    nm_supplicant_interface_state_to_string (old_state),
    nm_supplicant_interface_state_to_string (new_state));
```

```
src/devices/nm-device-ethernet.c:705:

nm_log_info (LOGD_DEVICE | LOGD_ETHER,
    "(%s): supplicant interface state: %s -> %s",
    nm_device_get_iface (device),
    nm_supplicant_interface_state_to_string (old_state),
    nm_supplicant_interface_state_to_string (new_state));
```

nm_supplicant_interface_state_to_string (guint32 state) seems to be spitting out the word ‘associating’ correctly.

Seems good on v1.0.4 too.

/Activation \([^]+\)/[^)]*: association took too long/

Yes, the code that outputs this string is still there.

Seems good on v1.0.4 too.

Here’s the commit:

---

#2 - 08/18/2015 05:36 AM - intrigeri
- QA Check set to Info Needed

Basically, I believe it is broken in jessie and stable!! Included a patch.
Ouch. Thanks for checking. Did you test the brokenness and/or the fix on Tails 1.5 and/or Jessie? Or did you only look at the source code?

#3 - 10/21/2015 07:33 AM - anonym

- Assignee changed from anonym to romeopapa

intrigeri wrote:

Basically, I believe it is broken in jessie and stable!! Included a patch.

Ouch. Thanks for checking. Did you test the brokenness and/or the fix on Tails 1.5 and/or Jessie? Or did you only look at the source code?

I believe this question was directed not to me, but the reporter.

It seems I discovered this independently and solved it in #7689 via commit 579f2d8.

#4 - 11/10/2015 11:10 AM - intrigeri

- Assignee changed from romeopapa to anonym
- QA Check deleted (Info Needed)

Can you please take care of this one? Given you just fixed it on Wheezy, and it's your area, I figure it's easier for you than for me to "quickly" test it. If it's not, then please reassign to me.

#5 - 11/12/2015 09:00 AM - intrigeri

- Status changed from Confirmed to In Progress
- % Done changed from 0 to 50
- QA Check set to Info Needed

I gave it a try and implemented MAC address whitelist-based filtering on my home router.

- Tails 1.7 (Wheezy): I see no notification; in the logs I see the "took too long" message, but the state was "authenticating", while the code expects "associating", so it looks like the detector has been broken since we switched to Wheezy;
- feature/jessie: as soon as the kernel reports "wlan0: xx:xx:xx:xx:xx:xx denied authentication (status 1)", NM switches to "disconnected" state. So the logic on which the detector is based cannot work anymore. And then of course I see no notification.

I'm tempted to simply drop the detector in feature/jessie (it's been broken for 16 months and nobody complained AFAIK), and to create a ticket about
reintroducing+fixing it (that would be a feature request, and would not block 2.0, since it's not a regression introduced by the upgrade to Jessie, technically / über-formally speaking). IMO, even fixing the detector in current stable/devel seems like a waste of our time given the above facts.

anonym, what do you think?

---

#6 - 11/17/2015 06:36 AM - intrigeri
- Related to Bug #10560: Reintroduce tails-restricted-network-detector added

#7 - 11/17/2015 06:37 AM - intrigeri
- Assignee changed from anonym to intrigeri
- QA Check deleted (Info Needed)

intrigeri wrote:

I'm tempted to simply drop the detector in feature/jessie (it's been broken for 16 months and nobody complained AFAIK), and to create a ticket about reintroducing+fixing it (that would be a feature request, and would not block 2.0, since it's not a regression introduced by the upgrade to Jessie, technically / über-formally speaking).

I've discussed this privately with sajolida, who agrees with my take on it. I've created #10560 and will drop the detector from feature/jessie.

---

#8 - 11/17/2015 07:34 AM - intrigeri
- Status changed from In Progress to Resolved
- % Done changed from 50 to 100

Applied in changeset 16b3d9dc22ef67cd2fcf857823281c0e753d.

#9 - 11/17/2015 07:36 AM - intrigeri
- Assignee deleted (intrigeri)

Files

<table>
<thead>
<tr>
<th>File Name</th>
<th>Size</th>
<th>Date</th>
<th>Author</th>
</tr>
</thead>
<tbody>
<tr>
<td>0001-Fix-tails-restricted-network-detector.patch</td>
<td>1.28 KB</td>
<td>08/11/2015</td>
<td>romeopapa</td>
</tr>
</tbody>
</table>